

REMARKS

New claims 40-60 are added. No new matter is introduced. The support for claims 40-60 can be found on page 8, lines 1-15; page 10, lines 5-26; and page 15, lines 5-21. Claims 1- 60 are pending in the application.

Entry of this amendment and examination on the merits of this application is respectfully requested.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los Angeles, California telephone number 310-282-2000 to discuss the steps necessary for placing the application in condition for allowance.

Respectfully submitted,

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Version with markings to show changes made:

IN THE SPECIFICATION:

Please replace the text of the last paragraph on page 4 and the first paragraph on page 5 with the following text:

In the above formula, Fl is a fluorophore, N is a nitrogen atom, Bd1 and Bd2 are independently selected binding groups, Sp is an aliphatic spacer, and An is an anchor group for attaching the sensor to solid substrates. $n = 1$ or 2 , $m = 1$ or 2 , and x is an integer. The binding groups are capable of binding an analyte molecule to form a stable 1:1 complex. Examples of binding groups include, but are not limited to, [one] boronic acid, [one] crown ether, and aza-crown [ethers] ether, such as 1,4,7,10,13-Pentaoxa-16-aza-cyclooctadecane (aza 18-crown-6) and 1,4,7,13-tetraoxa-10-aza-cyclohexadecane (aza 15-crown-5). In a preferred embodiment, the Bd1 is $R1-B(OH)_2$ and Bd2 is $R2-B(OH)_2$. R1 and R2 are aliphatic or aromatic functional groups selected independently from each other and B is a boron atom.

Please replace the text of the first full paragraph on page 8 with the following text:

In the present invention, the binding groups may be any functional groups, as long as they provide the desired specific binding of the analyte to the sensor with a formation of 1:1 complex. The binding groups are preferably electron deficient groups. The electron deficiency governs the shift of the unshared electron pair from the nitrogen atoms to the binding group when specifically binding the analyte. Examples of the acceptable binding groups include, but are not limited to, [one] boronic acid, [one] crown ether, and aza-crown [ethers] ether, such as 1,4,7,10,13-Pentaoxa-16-aza-cyclooctadecane (aza 18-crown-6) and 1,4,7,13-tetraoxa-10-aza-cyclohexadecane (aza 15-crown-5). Examples of analytes that may be identified by

utilizing sensors of the present invention include, but are not limited to, saccharides, amino saccharides, and carbonyl saccharides.